

Monday April 22, 2019

8:00 – 8:45	Registration/Breakfast (STScI Rear Lobby/Café Azafran)	
8:45 – 8:50	Ken Sembach	Welcome
8:50 – 9:00	Martha Boyer	Introduction

### Session 1 – Which Stars Explode?

<i>Chair: Emily Levesque</i>		
9:00 – 9:30	<b>Stephen Smartt</b>	<i>Which Stars Explode?</i>
9:30 – 10:00	<b>Stan Woosley</b>	<i>The Deaths of Massive Stars</i>
10:00 – 10:15	Carolyn Doherty	<i>Impact of Rotation on the Low-mass/High-mass Star Divide</i>
10:15 – 11:00	Coffee Break + Posters	
<i>Chair: Ori Fox</i>		
11:00 – 11:30	<b>Tuguldur Sukhbold</b>	<i>Missing Redsupergiants and Carbon Burning</i>
11:30 – 11:45	Ashley Chrimes	<i>Exploring Progenitor Pathways for Long Duration Gamma-ray Bursts in Binary Stellar Evolution Models</i>
11:45 – 12:00	Jeremiah Murphy	<i>Toward Predicting and Constraining the Explosions of Massive Stars</i>
12:00 – 12:15	Jose Groh	<i>The Surprising Look of Massive Stars before Death</i>
12:15 – 12:30	Jeffrey Cummings	<i>The Transition Mass for Core-Collapse Supernovae Derived from the Initial-Final Mass Relation</i>
12:30 – 1:40	Lunch	

### Session 2 – What Are the Physical Effects Controlling Stellar Death?

<i>Chair: Craig Wheeler</i>		
1:40 – 2:10	<b>Maryam Modjaz</b>	<i>Impact of Metallicity on the Diverse Deaths of Massive Stars</i>
2:10 – 2:25	Eva LaPlace	<i>The Size of Stripped-envelope Supernovae Progenitors and Its Impact on Gravitational Waves Events</i>
2:25 – 2:55	<b>Jen Andrews</b>	<i>Mass Loss and Eruptions in Core Collapse Supernova Progenitors</i>
2:55 – 3:10	Emily Levesque	<i>Rotation and Mass Loss in Luminous Blue Variables</i>
3:10 – 4:00	Coffee Break + Posters	
<i>Chair: Stuart Ryder</i>		
4:00 – 4:15	Jennifer Hoffman	<i>Leaving traces: How polarized lines reveal properties of CCSN progenitors</i>
4:15 – 4:45	<b>JJ Eldridge</b>	<i>EM and GW transient with BPASS &amp; CURVEPOPS</i>
4:45 – 5:00	Trevor Dorn-Wallenstein	<i>Stellar Population Diagnostics of the Massive Star Binary Fraction</i>
5:00 – 5:15	Niharika Sravan	<i>A Comprehensive Population-scale Modeling of Type IIb Supernova Progenitors</i>
5:15 – 5:30	David R. Aguilera-Dena	<i>Progenitors of Type I SLSNe and Long GRBs</i>
5:30 – 7:00	Welcome Reception (Café Azafran)	

Tuesday April 23, 2019

8:15 – 9:00	Registration/Breakfast (STScI Rear Lobby/Café Azafran)	
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### Session 3 – How Do Stars Die?

<i>Chair: Suvi Gezari</i>		
9:00 – 9:30	<b>Sofia Ramstedt</b>	<b><i>Stellar Winds with ALMA</i></b>
9:30 – 9:45	Raghvendra Sahai	<i>Binarly and the Formation of Bipolar and Multipolar Pre-Planetary and Planetary Nebulae</i>
9:45 – 10:15	<b>Ragnhild Lunnan</b>	<b><i>What Powers Superluminous Supernovae?</i></b>
10:15 – 11:00	Coffee Break + Posters	
<i>Chair: Tuomas Kangas</i>		
11:00 – 11:30	<b>Iair Arcavi</b>	<b><i>New Discoveries of Extreme Supernovae</i></b>
11:30 – 11:45	Nathan Roth	<i>The Aspherical Cow: Interpretation of Multi-Wavelength Observations of AT2018cow</i>
11:45 – 12:00	Anna Ho	<i>A Ic-BL Supernova with Shock-cooling Emission, Discovered as a Fast optical Transient</i>
12:00 – 12:15	Andy Howell	<i>Connecting SNe to their progenitors with the Global Supernova Project</i>
12:15 – 12:30	Jacob Jencson	<i>Uncovering Hidden Stellar Explosions with Spitzer</i>
12:30 – 1:40	Lunch	
<i>Chair: Ryan Foley</i>		
1:40 – 1:55	Eric Hsiao	<i>Observational Clues on the Origins of "Super-Chandrasekhar" Type Ia Supernovae</i>
1:55 – 2:10	Andreas Floers	<i>Constraints On the Explosion Mechanisms of Type Ia Supernovae from Optical and NIR Nebular Phase Spectroscopy</i>
2:10 – 2:25	Sumit K. Sarbadhicary	<i>Local Group Delay Time Distributions (DTDs): A New Perspective on Progenitor Models Using Resolved Stellar Populations</i>

### Session 4 – Which Pathways Lead to the Destruction of Stellar Remnants?

2:25 - 2:55	<b>Ken Shen</b>	<b><i>The Current View of Type Ia SN Progenitors</i></b>
2:55 - 3:10	Melissa Graham	<i>Identifying Non-Degenerate Companions in SNeIa via CSM Interaction</i>
3:10 - 3:25	Armin Rest	<i>(for Georgios Dimitriadis) Early and Late-time Observations of Kepler's Brightest Supernova SN 2018oh</i>
3:25 - 3:30	Conference Photo	
3:30 - 4:15	Coffee Break + posters	
<i>Chair: Ken Nomoto</i>		
4:15 - 4:45	<b>Selma de Mink</b>	<b><i>Progenitors of GW Detected Black Holes</i></b>
4:45 - 5:00	Nicola Giacobbo	<i>Stellar Deaths as the Birth of Double Neutron Stars</i>
5:00 - 5:15	Carl-Johan Haster	<i>Gravitational Wave Observations of a Population of Stellar Mass Black Holes</i>
~6:00	Conference Dinners (At several restaurants, led by SOC members)	
8:00 – 9:00	<b>Dan Milisavljevic</b>	<b><i>Public Lecture</i></b>

Wednesday, April 24, 2019

8:15 – 9:00	Registration/Breakfast (STScI Rear Lobby/Café Azafran)
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### Session 5 – What Happens in the Aftermath of Stellar Death?

<i>Chair: Andy Fruchter</i>		
9:00 – 9:30	<b>Nora Troja</b>	<b><i>Electromagnetic Emission from NS Mergers</i></b>
9:30 – 9:45	Ben Gompertz	<i>The Diversity of Kilonova Emission in Short Gamma-Ray Bursts</i>
9:45 – 10:15	<b>Enrico Ramirez-Ruiz</b>	<b><i>R-Process Kilonova Optical/Infrared Emission</i></b>
10:15 – 10:30	Charlie Kilpatrick	<i>Constraints on Long-lived Radioisotopes from the Gravitational Wave Counterpart AT 2017gfo</i>
10:30 – 11:15	Coffee Break + Posters	
<i>Chair: Beth Sargent</i>		
11:15 – 11:45	<b>Jennifer Johnson</b>	<b><i>Origin of the Elements</i></b>
11:45 – 12:00	Paola Marigo	<i>Carbon Star Formation in the Milky Way as Seen through the Initial-final Mass Relation</i>
12:00 – 12:15	Aldana Grichener	<i>R-process Nucleosynthesis in Common Envelope Jets Supernovae</i>
12:15 – 1:25	Lunch	

### Session 5 continued

<i>Chair: Erin Smith</i>		
1:25 - 1:55	<b>Ambra Nanni</b>	<b><i>Dust from Stellar Deaths</i></b>
1:55 - 2:10	Eli Dwek	<i>The Evolution of Dust in SN Ejecta</i>
2:10 - 2:25	Guido de Marchi	<i>Polluting in Time and Space</i>
2:25 - 2:55	<b>Jay Farihi</b>	<b><i>Pandemonium in the Planetary Graveyard</i></b>
2:55 - 3:10	John Debes	<i>Finding Warm Dust Around a 3 Gyr White Dwarf via Citizen Science</i>
3:10 - 4:00	Coffee Break + Posters	
<i>Chair: Armin Rest</i>		
4:00 - 4:40	<b>Laura Lopez</b>	<b><i>Tying SN Remnants to SN Progenitors</i></b>
4:30 - 4:45	Brian Williams	<i>The Expansion of the Young Supernova Remnant 0509-68.7 (N103B)</i>
4:45 - 5:00	Wolfgang Kerzendorf	<i>The Siblings of Cas A</i>
5:00 - 5:30	<b>Tim Heckman</b>	<b><i>Supernova-driven Galactic Winds</i></b>
5:30 - 5:35	Gautham Narayan	<i>A Look Forward to the Upcoming Workshop</i>

Invited speakers are marked in bold, blue font